

LISTE DE SEQUENCES

<110> AVENTIS PHARMA
 INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE M

<120> COMPOSES CAPABLES DE MODULER L'ACTIVITE DE LA PARKINE,
 SEQUENCES NUCLEOTIDIQUES ET UTILISATIONS

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<170> PatentIn Ver. 2.1

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Pro Val Leu Val Phe Gln Cys Asn Ser Arg His Val Ile Cys Leu Asp
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<213> Séquence artificielle

<220>

<223> Description de la séquence artificielle:
oligonucleotide

<400> 16
ccagttctgc ctgttcac
19

<210> 17
<211> 20
<212> ADN
<213> Séquence artificielle

<220>
<223> Description de la séquence artificielle:
oligonucleotide

<400> 17
ttcaaaacac agaggaggag
20

<210> 18
<211> 20
<212> ADN
<213> Séquence artificielle

<220>
<223> Description de la séquence artificielle:
oligonucleotide

<400> 18
gaatttggtc agtttagagg
20

<210> 19
<211> 26
<212> ADN
<213> Séquence artificielle

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<223> Description de la séquence artificielle:
oligonucleotide

<400> 19
ttctgggatt tggagagctt tttcac
26

<210> 20

<211> 22
<212> ADN
<213> Séquence artificielle

<220>
<223> Description de la séquence artificielle:
oligonucleotide

<400> 20
tctgtctgtc ccacacactg cc
22

<210> 21
<211> 19
<212> ADN
<213> Séquence artificielle

<220>
<223> Description de la séquence artificielle:
oligonucleotide

<400> 21
gactggctcc gtctctctg
19

<210> 22
<211> 21
<212> ADN
<213> Séquence artificielle

<220>
<223> Description de la séquence artificielle:
oligonucleotide

<400> 22
aagcaacaga atctcccatc c
21

<210> 23
<211> 21
<212> ADN
<213> Séquence artificielle

<220>
<223> Description de la séquence artificielle:

oligonucleotide

<400> 23

gcattgtcaa aattgcccat c
21

<210> 24

<211> 20

<212> ADN

<213> Séquence artificielle

<220>

<223> Description de la séquence artificielle:
oligonucleotide

<400> 24

aggcggagaa atacgaagac
20

<210> 25

<211> 22

<212> ADN

<213> Séquence artificielle

<220>

<223> Description de la séquence artificielle:
oligonucleotide

<400> 25

gcagagtgag acagccctta ac
22

<210> 26

<211> 24

<212> ADN

<213> Séquence artificielle

<220>

<223> Description de la séquence artificielle:
oligonucleotide

<400> 26

cttcctcagg actggcgact tcag
24

<210> 27
<211> 24
<212> ADN
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<220>
<223> Description de la séquence artificielle:
oligonucleotide

<400> 27
caagcgggtcg ttcattccaa agag
24

<210> 28
<211> 22
<212> ADN
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<223> Description de la séquence artificielle:
oligonucleotide

<400> 28
aagaggagat aacccaccag ag
22

<210> 29
<211> 20
<212> ADN
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<220>
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oligonucleotide

<400> 29
agggctgctg gctatttttc
20

<210> 30
<211> 19
<212> ADN
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<223> Description de la séquence artificielle:
oligonucleotide

<400> 30
taagaaatgg gttgtgaac
19

<210> 31
<211> 21
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<220>
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oligonucleotide

<400> 31
aagcaacaga atctcccatc c
21

<210> 32
<211> 21
<212> ADN
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<220>
<223> Description de la séquence artificielle:
oligonucleotide

<400> 32
gcattgtcaa aattgcccat c
21

<210> 33
<211> 20
<212> ADN
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<220>
<223> Description de la séquence artificielle:
oligonucleotide

<400> 33
aggcggagaa atacgaagac

20

<210> 34
<211> 22
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oligonucleotide

<400> 34
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<210> 35
<211> 24
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<400> 35
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24

<210> 36
<211> 24
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<213> Séquence artificielle

<220>
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oligonucleotide

<400> 36
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24

<210> 37
<211> 22
<212> ADN

<213> Séquence artificielle

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<223> Description de la séquence artificielle:
oligonucleotide

<400> 37

aagaggagat aacccaccag ag
22

<210> 38

<211> 18

<212> ADN

<213> Séquence artificielle

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<223> Description de la séquence artificielle:
oligonucleotide

<400> 38

aatggaagg cgtgacgc
18

<210> 39

<211> 21

<212> ADN

<213> Séquence artificielle

<220>

<223> Description de la séquence artificielle:
oligonucleotide

<400> 39

cctcacgcct gctgcaacct g
21

<210> 40

<211> 31

<212> ADN

<213> Séquence artificielle

<220>

<223> Description de la séquence artificielle:
oligonucleotide

<400> 40
gcacgaattc atggcccaag aaatagatct g
31

<210> 41
<211> 24
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<220>
<223> Description de la séquence artificielle:
oligonucleotide

<400> 41
ctgtcttcgt atttctccgc ctg
24

<210> 42
<211> 2347
<212> ADN
<213> Homo sapiens

<400> 42
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gggaagaggc gttgcccctg ctggcatagt caggtaccag ccagccagg tattgaacgg
120
gctgagcttt tcatgatggg tctgctgac ctggaaacat cttaaattga agggcgtgag
180
cgcttggtcc atgcagtga gctcttccaa cctgggtcaa cgaaaacgga gaagaaatgg
240
cccaagaaat agatctgagt gctctcaagg agttagaacg cgaggccatt ctccaggtcc
300
tgtaccgaga ccaggcgggt caaaacacag aggaggagag gacacggaaa ctgaaaacac
360
acctgcagca tctccggtgg aaaggagcga agaacacgga ctgggagcac aaagagaagt
420
gctgtgcgcg ctgccagcag gtgctggggg tctgctgca ccggggcgcc gtgtgccggg
480
gctgcagcca ccgcgtgtgt gccagtgcc gagtgttctt gagggggacc catgcctgga
540
agtgcacggt gtgcttcgag gacaggaatg tcaaaataaa aactggagaa tggttctatg
600
aggaacgagc caagaaattt ccaactggag gcaaacaatga gacagttgga gggcagctct
660
tgcaatctta tcagaagctg agcaaaattt ctgtggttcc tcctactcca cctcctgtca

720
 gcgagagcca gtgcagccgc agtcctggca ggttacagga atttggtcag tttagaggat
 780
 ttaataagtc cgtggaaaat ttgtttctgt ctcttgctac ccacgtgaaa aagctctcca
 840
 aatcccagaa tgatatgact tctgagaagc atcttctcgc cacgggcccc aggcagtgtg
 900
 tgggacagac agagagacgg agccagtctg acactgcggt caacgtcacc accaggaagg
 960
 tcagtgcacc agatattctg aaacctctca atcaagagga tcccaaatgc tctactaacc
 1020
 ctattttgaa gcaacagaat ctcccatcca gtccggcacc cagtaccata ttctctggag
 1080
 gtttttagaca cggaagttaa attagcattg acagcacctg tacagagatg ggcaattttg
 1140
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 1200
 ctttagaaat atgcatcaag gcctgtaaga accttgctta tggagaagaa aagaagaaaa
 1260
 agtgcaatcc gtatgtgaag acctacctgt tgcccgacag atcctcccag ggaaagcgca
 1320
 agactggagt ccaaaggaac accgtggacc cgaccttca ggagaccttg aagtatcagg
 1380
 tggccccctgc ccagctgggtg acccggcagc tgcaggcttc ggtgtggcat ctgggcacgc
 1440
 tggccccggag agtgtttctt ggagaagtga tcattcctct ggccacgtgg gactttgaag
 1500
 acagcacaac acagtccttc cgctggcctc cgctccgggc caaggcggag aaatacgaag
 1560
 acagcgttcc tcagagtaat ggagagctca cagtccgggc taagctgggt ctcccttcac
 1620
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 1680
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 1740
 catttgtaa gggctgtctc actctgccag accaacaaaa actgagactg aagtcgccag
 1800
 tcctgaggaa gcaggcttgc cccagtgga aacactcatt tgtcttcagt ggcgtaaccc
 1860
 cagctcagct gaggcagtcg agcttggagt taactgtctg ggatcaggcc ctctttggaa
 1920
 tgaacgaccg cttgcttggg ggaaccagac ttgggtcaaa gggagacaca gctgttggcg
 1980
 gggatgcatg ctcaaatcg aagctccagt ggcagaaagt cctttccagc cccaatctat
 2040
 ggacagacat gactcttgct ctgcactgac atgaaggcct caaggttcca ggttgcagca
 2100
 ggcgtgaggc actgtgcgtc tgcagagggg ctacgaacca ggtgcagggt cccagctgga

2160
gacccctttg accttgagca gtctccatct gcggccctgt cccatggctt aaccgcctat
2220
tggtatctgt gtatatattac gttaaacaca attatgttac ctaagcctct ggtgggttat
2280
ctcctctttg agatgtagaa aatggccaga ttttaataaa cgttgttacc catgaaaaaa
2340
aaaaaaa
2347

<210> 43
<211> 610
<212> PRT
<213> Homo sapiens

<400> 43

Met	Ala	Gln	Glu	Ile	Asp	Leu	Ser	Ala	Leu	Lys	Glu	Leu	Glu	Arg	Glu	1	5	10	15
Ala	Ile	Leu	Gln	Val	Leu	Tyr	Arg	Asp	Gln	Ala	Val	Gln	Asn	Thr	Glu	20	25	30	
Glu	Glu	Arg	Thr	Arg	Lys	Leu	Lys	Thr	His	Leu	Gln	His	Leu	Arg	Trp	35	40	45	
Lys	Gly	Ala	Lys	Asn	Thr	Asp	Trp	Glu	His	Lys	Glu	Lys	Cys	Cys	Ala	50	55	60	
Arg	Cys	Gln	Gln	Val	Leu	Gly	Phe	Leu	Leu	His	Arg	Gly	Ala	Val	Cys	65	70	75	80
Arg	Gly	Cys	Ser	His	Arg	Val	Cys	Ala	Gln	Cys	Arg	Val	Phe	Leu	Arg	85	90	95	
Gly	Thr	His	Ala	Trp	Lys	Cys	Thr	Val	Cys	Phe	Glu	Asp	Arg	Asn	Val	100	105	110	
Lys	Ile	Lys	Thr	Gly	Glu	Trp	Phe	Tyr	Glu	Glu	Arg	Ala	Lys	Lys	Phe	115	120	125	
Pro	Thr	Gly	Gly	Lys	His	Glu	Thr	Val	Gly	Gly	Gln	Leu	Leu	Gln	Ser	130	135	140	
Tyr	Gln	Lys	Leu	Ser	Lys	Ile	Ser	Val	Val	Pro	Pro	Thr	Pro	Pro	Pro	145	150	155	160
Val	Ser	Glu	Ser	Gln	Cys	Ser	Arg	Ser	Pro	Gly	Arg	Leu	Gln	Glu	Phe				

165

170

175

Gly Gln Phe Arg Gly Phe Asn Lys Ser Val Glu Asn Leu Phe Leu Ser
 180 185 190
 Leu Ala Thr His Val Lys Lys Leu Ser Lys Ser Gln Asn Asp Met Thr
 195 200 205
 Ser Glu Lys His Leu Leu Ala Thr Gly Pro Arg Gln Cys Val Gly Gln
 210 215 220
 Thr Glu Arg Arg Ser Gln Ser Asp Thr Ala Val Asn Val Thr Thr Arg
 225 230 235 240
 Lys Val Ser Ala Pro Asp Ile Leu Lys Pro Leu Asn Gln Glu Asp Pro
 245 250 255
 Lys Cys Ser Thr Asn Pro Ile Leu Lys Gln Gln Asn Leu Pro Ser Ser
 260 265 270
 Pro Ala Pro Ser Thr Ile Phe Ser Gly Gly Phe Arg His Gly Ser Leu
 275 280 285
 Ile Ser Ile Asp Ser Thr Cys Thr Glu Met Gly Asn Phe Asp Asn Ala
 290 295 300
 Asn Val Thr Gly Glu Ile Glu Phe Ala Ile His Tyr Cys Phe Lys Thr
 305 310 315 320
 His Ser Leu Glu Ile Cys Ile Lys Ala Cys Lys Asn Leu Ala Tyr Gly
 325 330 335
 Glu Glu Lys Lys Lys Lys Cys Asn Pro Tyr Val Lys Thr Tyr Leu Leu
 340 345 350
 Pro Asp Arg Ser Ser Gln Gly Lys Arg Lys Thr Gly Val Gln Arg Asn
 355 360 365
 Thr Val Asp Pro Thr Phe Gln Glu Thr Leu Lys Tyr Gln Val Ala Pro
 370 375 380
 Ala Gln Leu Val Thr Arg Gln Leu Gln Val Ser Val Trp His Leu Gly
 385 390 395 400
 Thr Leu Ala Arg Arg Val Phe Leu Gly Glu Val Ile Ile Pro Leu Ala
 405 410 415
 Thr Trp Asp Phe Glu Asp Ser Thr Thr Gln Ser Phe Arg Trp His Pro

420

425

430

Leu Arg Ala Lys Ala Glu Lys Tyr Glu Asp Ser Val Pro Gln Ser Asn
 435 440 445

Gly Glu Leu Thr Val Arg Ala Lys Leu Val Leu Pro Ser Arg Pro Arg
 450 455 460

Lys Leu Gln Glu Ala Gln Glu Gly Thr Asp Gln Pro Ser Leu His Gly
 465 470 475 480

Gln Leu Cys Leu Val Val Leu Gly Ala Lys Asn Leu Pro Val Arg Pro
 485 490 495

Asp Gly Thr Leu Asn Ser Phe Val Lys Gly Cys Leu Thr Leu Pro Asp
 500 505 510

Gln Gln Lys Leu Arg Leu Lys Ser Pro Val Leu Arg Lys Gln Ala Cys
 515 520 525

Pro Gln Trp Lys His Ser Phe Val Phe Ser Gly Val Thr Pro Ala Gln
 530 535 540

Leu Arg Gln Ser Ser Leu Glu Leu Thr Val Trp Asp Gln Ala Leu Phe
 545 550 555 560

Gly Met Asn Asp Arg Leu Leu Gly Gly Thr Arg Leu Gly Ser Lys Gly
 565 570 575

Asp Thr Ala Val Gly Gly Asp Ala Cys Ser Gln Ser Lys Leu Gln Trp
 580 585 590

Gln Lys Val Leu Ser Ser Pro Asn Leu Trp Thr Asp Met Thr Leu Val
 595 600 605

Leu His
 610

<210> 44

<211> 1648

<212> ADN

<213> Homo sapiens

<400> 44

gaaatcatgc ccctcgtaga gcagcaggtc caagcagggc tgctggctat ttttccaaaa
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agtgaggcag ttttaaaaaa aggcgagaa ctagaattat agaataatgg cacattttgt

120
 gtatttgtaa aactaacggc ttgcatgggt cacaacccat ttcttatgcc tgtgttttcc
 180
 ttggcagcaa aatttctgtg gttcctccta ctccacctcc tgtcagcgag agccagtgca
 240
 gccgcagtcc tggcaggaag gtcagtgcac cagatattct gaaacctctc aatcaagagg
 300
 atcccaaagt ctctactaac cctattttga agcaacagaa tctcccatcc agtccggcac
 360
 ccagtaccat attctctgga ggttttagac acggaagttt aattagcatt gacagcacct
 420
 gtacagagat gggcaatttt gacaatgcta atgtcactgg agaaatagaa tttgccattc
 480
 attattgctt caaaacccat tcttttagaaa tatgcatcaa ggctgtgaag aaccttgcc
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 atggagaaga aaagaagaaa aagtgcatac cgtatgtgaa gacctacctg ttgcccga
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 gatcctccca gggaaagcgc aagactggag tccaaaggaa caccgtggac ccgaccttcc
 660
 aggagacctt gaagtatcag gtggcccctg ccagctgggt gaccggcgag ctgcaggctc
 720
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 780
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 1320
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 1380
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 aggtgcaggg tcccagctgg agacccttt gaccttgagc agtctccatc tgcggccctg
 1500
 tcccatggct taaccgccta ttggtatctg tgtatattta cgtaaacac aattatgtta

1560
 cctaagcctc tggtgggtta tctcctcttt gagatgtaga aaatggccag attttaataa
 1620
 acgttggttac ccatgaaaaa aaaaaaaa
 1648

<210> 45
 <211> 313
 <212> PRT
 <213> Homo sapiens

<400> 45
 Met Gly Asn Phe Asp Asn Ala Asn Val Thr Gly Glu Ile Glu Phe Ala
 1 5 10 15

Ile His Tyr Cys Phe Lys Thr His Ser Leu Glu Ile Cys Ile Lys Ala
 20 25 30

Cys Lys Asn Leu Ala Tyr Gly Glu Glu Lys Lys Lys Lys Cys Asn Pro
 35 40 45

Tyr Val Lys Thr Tyr Leu Leu Pro Asp Arg Ser Ser Gln Gly Lys Arg
 50 55 60

Lys Thr Gly Val Gln Arg Asn Thr Val Asp Pro Thr Phe Gln Glu Thr
 65 70 75 80

Leu Lys Tyr Gln Val Ala Pro Ala Gln Leu Val Thr Arg Gln Leu Gln
 85 90 95

Val Ser Val Trp His Leu Gly Thr Leu Ala Arg Arg Val Phe Leu Gly
 100 105 110

Glu Val Ile Ile Pro Leu Ala Thr Trp Asp Phe Glu Asp Ser Thr Thr
 115 120 125

Gln Ser Phe Arg Trp His Pro Leu Arg Ala Lys Ala Glu Lys Tyr Glu
 130 135 140

Asp Ser Val Pro Gln Ser Asn Gly Glu Leu Thr Val Arg Ala Lys Leu
 145 150 155 160

Val Leu Pro Ser Arg Pro Arg Lys Leu Gln Glu Ala Gln Glu Gly Thr
 165 170 175

Asp Gln Pro Ser Leu His Gly Gln Leu Cys Leu Val Val Leu Gly Ala
 180 185 190

Lys Asn Leu Pro Val Arg Pro Asp Gly Thr Leu Asn Ser Phe Val Lys
 195 200 205

Gly Cys Leu Thr Leu Pro Asp Gln Gln Lys Leu Arg Leu Lys Ser Pro
 210 215 220

Val Leu Arg Lys Gln Ala Cys Pro Gln Trp Lys His Ser Phe Val Phe
 225 230 235 240

Ser Gly Val Thr Pro Ala Gln Leu Arg Gln Ser Ser Leu Glu Leu Thr
 245 250 255

Val Trp Asp Gln Ala Leu Phe Gly Met Asn Asp Arg Leu Leu Gly Gly
 260 265 270

Thr Arg Leu Gly Ser Lys Gly Asp Thr Ala Val Gly Gly Asp Ala Cys
 275 280 285

Ser Gln Ser Lys Leu Gln Trp Gln Lys Val Leu Ser Ser Pro Asn Leu
 290 295 300

Trp Thr Asp Met Thr Leu Val Leu His
 305 310

<210> 46

<211> 21

<212> ADN

<213> Séquence artificielle

<220>

<223> Description de la séquence artificielle:
 oligonucleotide

<400> 46

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 21